



MOTO GUZZI STELVIO 4V

ENGINE

Type	Four-stroke V 90 twin
Cooling	Air and oil cooled with independent cooling pump
Capacity	1,151cc
Bore and stroke	95 x 81.2 mm
Compression ratio	11: 1
Timing diagram (play 1 mm)	Intake valve opening 36° before upper TDC. Intake valve closing 62° after lower TDC.
Maximum power output	77 kW (105 CV) at 7,500 rpm
Max Torque	Over 108 Nm at 6,400 rpm
Fuel supply/ignition	Multipoint sequential electronic injection, Magneti Marelli IAW 5A phased, alfa-n system; 2 x Ø50 mm throttle bodies with Weber IWP 189 injectors, Lambda probe.
Starter	Electric
Spark plugs	NGK PMR8B (Long Life)
Exhaust system	Stainless steel two-into-one 3-way catalysed with Lambda probe.
Homologation	Euro 3

TRANSMISSION

Gearbox	6 speed
Gear ratios	1st 17/38 = 1: 2.235 2nd 20/34 = 1: 1.700 3rd 23/31 = 1: 1.348 4th 26/29 = 1: 1.115 5th 31/30 = 1: 0.968 6th 29/25 = 1: 0.862
Lubrication	Oil bath
Primary drive	Helicoidal gears, ratio 26/35 = 1: 1.346
Final drive	CA.R.C reactive drive; double universal joint with floating bevel gear, ratio 12/44 = 1 : 3,666
Clutch	Single plate with integrated flexible couplings

ELECTRICS

Voltage	12 V
Battery	12 V – 18 Ah
Alternator	12 V – 550 W

FRAME

Frame	High tensile steel tubular twin cradle
Wheelbase	1.535 mm
Rake	125 mm
Steering rake	27°
Steering angle.	34°
Front suspension	Upside down Ø 50 mm fully adjustable forks (spring preload and hydraulic for rebound and compression) with mounting for radial callipers.
Front wheel travel	170 mm
Rear suspension	Progressive single swingarm, fully adjustable monoshock with separate gas reservoir (spring preload and hydraulic for rebound and compression).
Rear wheel travel	155 mm
Front brakes	Twin floating 320 mm stainless steel wave discs, radial calipers with 4 opposed pistons.
Rear brakes	Single 282 mm fixed stainless steel disc, floating caliper with 2 parallel pistons.

WHEELS

Wheels	Spoked aluminium alloy (tubeless)
Front wheel	2.50" x 19"
Rear wheel	5.50" x 17"
Front tyre	110/90 ZR19"
Rear tyre	180/55 ZR17"

DIMENSIONS

Length	2250 mm
Width	1025 mm
Height	1475 mm
Saddle height	820 mm – 840 mm
Minimum round clearance	210 mm
Dry weight	214 kg
Wet weight	251 kg
Fuel tank capacity	18 l
Reserve	4,5 l